

Jared Borah

10/28/2019

CIS 310-02

Week 10 Assignment

9. SELECT COUNT(*)

 FROM INVOICE;

10. SELECT COUNT(*)

 FROM CUSTOMER

 WHERE CUS_BALANCE > 500;

11. SELECT INVOICE.CUS_CODE, INVOICE.INV_NUMBER, INVOICE.INV_DATE, PRODUCT.P_DESCRPT,
 LINE.LINE_UNITS, LINE.LINE_PRICE

 FROM CUSTOMER, INVOICE, LINE, PRODUCT

 WHERE CUSTOMER.CUS_CODE = INVOICE.CUS_CODE

 AND INVOICE.INV_NUMBER = LINE.INV_NUMBER

 AND PRODUCT.P_CODE = LINE.P_CODE

 ORDER BY INVOICE.CUS_CODE, INVOICE.INV_NUMBER, PRODUCT.P_DESCRPT;

12. SELECT INVOICE.CUS_CODE, INVOICE.INV_NUMBER, PRODUCT.P_DESCRPT, LINE.LINE_UNITS AS
 'Units Bought', LINE.LINE_PRICE AS 'Unit Price', LINE.LINE_UNITS * LINE.LINE_PRICE AS Subtotal

 FROM CUSTOMER, INVOICE, LINE, PRODUCT

 WHERE CUSTOMER.CUS_CODE = INVOICE.CUS_CODE

 AND INVOICE.INV_NUMBER = LINE.INV_NUMBER

 AND PRODUCT.P_CODE = LINE.P_CODE

 ORDER BY INVOICE.CUS_CODE, INVOICE.INV_NUMBER, PRODUCT.P_DESCRPT;

13. SELECT INVOICE.CUS_CODE, CUSTOMER.CUS_BALANCE,
 SUM(LINE.LINE_UNITS*LINE.LINE_PRICE) AS 'Total Purchases'

 FROM CUSTOMER, INVOICE, LINE

 WHERE INVOICE.INV_NUMBER = LINE.INV_NUMBER

 AND CUSTOMER.CUS_CODE = INVOICE.CUS_CODE

 GROUP BY INVOICE.CUS_CODE, CUSTOMER.CUS_BALANCE;

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14. SELECT INVOICE.CUS_CODE, CUSTOMER.CUS_BALANCE,
 SUM(LINE.LINE_UNITS*LINE.LINE_PRICE) AS 'Total Purchases', COUNT(*) AS 'Number of
 Purchases'

 FROM CUSTOMER, INVOICE, LINE
 WHERE INVOICE.INV_NUMBER = LINE.INV_NUMBER
 AND CUSTOMER.CUS_CODE = INVOICE.CUS_CODE
 GROUP BY INVOICE.CUS_CODE, CUSTOMER.CUS_BALANCE;

15. SELECT INVOICE.CUS_CODE, CUSTOMER.CUS_BALANCE,
 SUM(LINE.LINE_UNITS*LINE.LINE_PRICE) AS 'Total Purchases', COUNT(*) AS 'Number of
 Purchases', AVG(LINE.LINE_UNITS*LINE.LINE_PRICE) AS 'Average Purchase Amount'

 FROM CUSTOMER, INVOICE, LINE
 WHERE INVOICE.INV_NUMBER = LINE.INV_NUMBER
 AND CUSTOMER.CUS_CODE = INVOICE.CUS_CODE
 GROUP BY INVOICE.CUS_CODE, CUSTOMER.CUS_BALANCE;

16. SELECT LINE.INV_NUMBER, SUM(LINE.LINE_UNITS*LINE.LINE_PRICE) AS 'Invoice Total'

 FROM LINE
 GROUP BY LINE.INV_NUMBER;